

PERMIT APPLICATION: NRS04.354

APPLICANT: Ike Fleenor
3478 Weaver Pike
Bristol, Tennessee 37620
423-878-2921

LOCATION: unnamed tributary to Whitetop Creek near Bristol in Sullivan County;
36° 31' 29"N, 82° 11' 33"W

WATERSHED DESCRIPTION: Whitetop Creek is listed as fully supporting from its confluence with Beaver Creek to its headwaters. The segment in which the project would be located is first order. The riparian area in the segment to be impounded is presently pasture. This tributary appears to be spring-fed with perennial flow.

PROJECT DESCRIPTION: The proposed work involves construction of an earthen dam and impoundment of the stream. The impoundment would be about 1/3 acre, or 75' x 180' in size and 3' to 8' deep. The dam would be about 20' top width, 10' high and 75' in breadth. Clay for the construction of the dam would be brought to the site from nearby. Rock would be used for the overflow spillway. Tailwater discharge would be via surface standpipe. The applicant states that there are three discreet groundwater spring sources downstream of the dam on his property that would contribute flow to the stream.

An impoundment previously existed at this same site. The dam was breached in the late 1980's and the impoundment drained. Silt that was deposited behind the old dam that still remains would be excavated and side cast around the perimeter of the impoundment during construction. The applicant proposes to construct fencing around the pond and creek for livestock exclusion and provide a water tank for livestock watering downstream.

PERMIT COORDINATOR: Robby Baker

USGS TOPOGRAPHIC QUADRANGLE: Bristol, TN

